INTERNATIONAL SEARCH REPORT

Int anal Application No PCT/IB2004/051950

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G11B20/12									
According to International Patent Classification (IPC) or to both national classification and IPC									
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols)									
IPC 7	G11B								
Documentati	on searched other than minimum documentation to the extent the	at such documents are included in the fields se	arched						
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)									
EPO-In	ternal, WPI Data, PAJ								
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT								
Category °	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.						
A	US 2002/136118 A1 (TAKAHASHI HI 26 September 2002 (2002-09-26) abstract paragraphs '0066! - '0077! paragraphs '0082! - '0087! figures 5-7,9,10	1,11,13							
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 07, 29 September 2000 (2000-09-29) & JP 2000 123494 A (KENWOOD COR 28 April 2000 (2000-04-28) abstract	1,11,13							
Furt	her documents are listed in the continuation of box C.	X Patent family members are listed	in annex.						
° Special categories of cited documents:									
"T" later document published after the international filing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the invention "E" earlier document but published on or after the international "Y" document of particular relevance; the claimed invention "Y" document of particular relevance; the claimed invention									
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P document published prior to the international filing date but later than the priority date claimed to the international filing date but later than the priority date claimed to the same patent family									
Date of the	actual completion of the international search	Date of mailing of the international sea	arch report						
1	3 December 2004	11/04/2005	11/04/2005						
Name and	malling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk	Authorized officer							
Tel. (+31-70) 340-3016 Fax: (+31-70) 340-3016		Sucher, R							

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Information on patent family members

In Ional Application No
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	tent document In search report		Publication date		Patent family member(s)	Publication date
US	2002136118	A1	26-09-2002	JP CN	2002288937 A 1376984 A	04-10-2002 30-10-2002
1	2000123494	Α	28-04-2000	NONE		